

SEQUENCE LISTING

<110> Takeda Pharmaceutical Company Limited

<120> A Screening Method

<130> 3172W00P

<150> JP 2003-122464

<151> 2003-04-25

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<210> 1

<211> 453

<212> PRT

<213> Human

<400> 1

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Leu Ile Leu Val Tyr Leu Ile Ile Phe Val Met Gly Leu Leu Gly Asn
                35          40          45
Ser Ala Thr Ile Arg Val Thr Gln Val Leu Gln Lys Lys Gly Tyr Leu
                50          55          60
Gln Lys Glu Val Thr Asp His Met Val Ser Leu Ala Cys Ser Asp Ile
                65          70          75          80
Leu Val Phe Leu Ile Gly Met Pro Met Glu Phe Tyr Ser Ile Ile Trp
                85          90          95
Asn Pro Leu Thr Thr Ser Ser Tyr Thr Leu Ser Cys Lys Leu His Thr
                100          105          110
Phe Leu Phe Glu Ala Cys Ser Tyr Ala Thr Leu Leu His Val Leu Thr
                115          120          125
Leu Ser Phe Glu Arg Tyr Ile Ala Ile Cys His Pro Phe Arg Tyr Lys
                130          135          140
Ala Val Ser Gly Pro Cys Gln Val Lys Leu Leu Ile Gly Phe Val Trp
                145          150          155          160
Val Thr Ser Ala Leu Val Ala Leu Pro Leu Leu Phe Ala Met Gly Thr
                165          170          175
Glu Tyr Pro Leu Val Asn Val Pro Ser His Arg Gly Leu Thr Cys Asn
                180          185          190
Arg Ser Ser Thr Arg His His Glu Gln Pro Glu Thr Ser Asn Met Ser
                195          200          205
Ile Cys Thr Asn Leu Ser Ser Arg Trp Thr Val Phe Gln Ser Ser Ile
                210          215          220
Phe Gly Ala Phe Val Val Tyr Leu Val Val Leu Leu Ser Val Ala Phe
                225          230          235          240
Met Cys Trp Asn Met Met Gln Val Leu Met Lys Ser Gln Lys Gly Ser
                245          250          255
Leu Ala Gly Gly Thr Arg Pro Pro Gln Leu Arg Lys Ser Glu Ser Glu
                260          265          270
Glu Ser Arg Thr Ala Arg Arg Gln Thr Ile Ile Phe Leu Arg Leu Ile
                275          280          285
Val Val Thr Leu Ala Val Cys Trp Met Pro Asn Gln Ile Arg Arg Ile
                290          295          300
Met Ala Ala Ala Lys Pro Lys His Asp Trp Thr Arg Ser Tyr Phe Arg
                305          310          315          320
Ala Tyr Met Ile Leu Leu Pro Phe Ser Glu Thr Phe Phe Tyr Leu Ser
                325          330          335
Ser Val Ile Asn Pro Leu Leu Tyr Thr Val Ser Ser Gln Gln Phe Arg
                340          345          350
Arg Val Phe Val Gln Val Leu Cys Cys Arg Leu Ser Leu Gln His Ala

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355 360 365
 Asn His Glu Lys Arg Leu Arg Val His Ala His Ser Thr Thr Asp Ser
 370 375 380
 Ala Arg Phe Val Gln Arg Pro Leu Leu Phe Ala Ser Arg Arg Gln Ser
 385 390 395 400
 Ser Ala Arg Arg Thr Glu Lys Ile Phe Leu Ser Thr Phe Gln Ser Glu
 405 410 415
 Ala Glu Pro Gln Ser Lys Ser Gln Ser Leu Ser Leu Glu Ser Leu Glu
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 Pro Asn Ser Gly Ala Lys Pro Ala Asn Ser Ala Ala Glu Asn Gly Phe
 435 440 445
 Gln Glu His Glu Val
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<210> 6

<211> 456
 <212> PRT
 <213> Mouse

<400> 6

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			20					25					30		
Leu	Ile	Leu	Val	Tyr	Leu	Ile	Ile	Phe	Val	Val	Gly	Ile	Leu	Gly	Asn
		35					40					45			
Ser	Val	Thr	Ile	Arg	Val	Thr	Gln	Val	Leu	Gln	Lys	Lys	Gly	Tyr	Leu
		50				55					60				
Gln	Lys	Glu	Val	Thr	Asp	His	Met	Val	Ser	Leu	Ala	Cys	Ser	Asp	Ile
		65			70					75				80	
Leu	Val	Phe	Leu	Ile	Gly	Met	Pro	Met	Glu	Phe	Tyr	Ser	Ile	Ile	Trp
			85						90					95	
Asn	Pro	Leu	Thr	Thr	Pro	Ser	Tyr	Ala	Leu	Ser	Cys	Lys	Leu	His	Thr
			100					105					110		
Phe	Leu	Phe	Glu	Thr	Cys	Ser	Tyr	Ala	Thr	Leu	Leu	His	Val	Leu	Thr
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Leu	Ser	Phe	Glu	Arg	Tyr	Ile	Ala	Ile	Cys	His	Pro	Phe	Lys	Tyr	Lys
		130				135					140				
Ala	Val	Ser	Gly	Pro	Arg	Gln	Val	Lys	Leu	Leu	Ile	Gly	Phe	Val	Trp
					150					155					160
Val	Thr	Ser	Ala	Leu	Val	Ala	Leu	Pro	Leu	Leu	Phe	Ala	Met	Gly	Ile
				165					170					175	
Glu	Tyr	Pro	Leu	Val	Asn	Val	Pro	Thr	His	Lys	Gly	Leu	Asn	Cys	Asn
			180					185					190		
Leu	Ser	Arg	Thr	Arg	His	His	Asp	Glu	Pro	Gly	Asn	Ser	Asn	Met	Ser
		195					200					205			
Ile	Cys	Thr	Asn	Leu	Ser	Asn	Arg	Trp	Glu	Val	Phe	Gln	Ser	Ser	Ile
		210				215					220				
Phe	Gly	Ala	Phe	Ala	Val	Tyr	Leu	Val	Val	Leu	Ala	Ser	Val	Ala	Phe
		225				230				235					240
Met	Cys	Trp	Asn	Met	Met	Lys	Val	Leu	Met	Lys	Ser	Lys	Gln	Gly	Thr
				245					250					255	
Leu	Ala	Gly	Thr	Gly	Pro	Gln	Leu	Gln	Leu	Arg	Lys	Ser	Glu	Ser	Glu
			260					265					270		
Glu	Ser	Arg	Thr	Ala	Arg	Arg	Gln	Thr	Ile	Ile	Phe	Leu	Arg	Leu	Ile
		275					280					285			
Val	Val	Thr	Leu	Ala	Val	Cys	Trp	Met	Pro	Asn	Gln	Ile	Arg	Arg	Ile
		290				295					300				
Met	Ala	Ala	Ala	Lys	Pro	Lys	His	Asp	Trp	Thr	Arg	Thr	Tyr	Phe	Arg
					310					315					320
Ala	Tyr	Met	Ile	Leu	Leu	Pro	Phe	Ser	Asp	Thr	Phe	Phe	Tyr	Leu	Ser
				325					330					335	
Ser	Val	Val	Asn	Pro	Leu	Leu	Tyr	Asn	Val	Ser	Ser	Gln	Gln	Phe	Arg
			340					345					350		
Lys	Val	Phe	Trp	Gln	Val	Leu	Cys	Cys	Arg	Leu	Thr	Leu	Gln	His	Ala
		355					360					365			

Asn Gln Glu Lys Arg Gln Arg Ala Arg Phe Ile Ser Thr Lys Asp Ser
 370 375 380
 Thr Ser Ser Ala Arg Ser Pro Leu Ile Phe Leu Ala Ser Arg Arg Ser
 385 390 395 400
 Asn Ser Ser Ser Arg Arg Thr Asn Lys Val Phe Leu Ser Thr Phe Gln
 405 410 415
 Thr Glu Ala Lys Pro Gly Glu Ala Lys Pro Gln Pro Leu Ser Pro Glu
 420 425 430
 Ser Pro Gln Thr Gly Ser Glu Thr Lys Pro Ala Gly Ser Thr Pro Glu
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<210> 7

<211> 1368

<212> DNA

<213> Mouse

<400> 7

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aactcttcc	ccaggagaac	taacaagggt	ttcittaagca	cttttcagac	tgaggccaag	1260
cctggagagg	ctaagcccca	gcccttgagt	cctgagtcac	cacagactgg	ctcagagacc	1320
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<210> 8

<211> 456

<212> PRT

<213> Rat

<400> 8

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 Leu Thr Leu Val Tyr Leu Ile Val Phe Val Val Gly Ile Leu Gly Asn
 35 40 45
 Ser Val Thr Ile Arg Val Thr Gln Val Leu Gln Lys Lys Gly Tyr Leu
 50 55 60
 Gln Lys Glu Val Thr Asp His Met Ile Ser Leu Ala Cys Ser Asp Ile
 65 70 75 80
 Leu Val Phe Leu Ile Gly Met Pro Met Glu Phe Tyr Ser Ile Ile Trp
 85 90 95
 Asn Pro Leu Thr Pro Ser Tyr Ala Leu Ser Cys Lys Leu His Thr
 100 105 110

Phe	Leu	Phe	Glu	Thr	Cys	Ser	Tyr	Ala	Thr	Leu	Leu	His	Val	Leu	Thr
	115						120					125			
Leu	Ser	Phe	Glu	Arg	Tyr	Ile	Ala	Ile	Cys	His	Pro	Phe	Arg	Tyr	Lys
	130					135					140				
Asp	Val	Ser	Gly	Pro	Cys	Gln	Val	Lys	Leu	Leu	Ile	Gly	Phe	Val	Trp
	145				150					155					160
Val	Thr	Ser	Ala	Leu	Val	Ala	Leu	Pro	Leu	Leu	Phe	Ala	Met	Gly	Ile
			165						170					175	
Glu	Tyr	Pro	Leu	Ala	Asn	Val	Pro	Thr	His	Lys	Gly	Leu	Asn	Cys	Asn
		180						185					190		
Leu	Ser	Arg	Thr	Arg	His	His	Asp	His	Pro	Gly	Asp	Ser	Asn	Met	Ser
		195					200					205			
Ile	Cys	Thr	Asn	Leu	Ser	Ser	Arg	Trp	Glu	Val	Phe	Gln	Ser	Ser	Ile
	210					215					220				
Phe	Gly	Ala	Phe	Ala	Val	Tyr	Leu	Val	Val	Leu	Val	Ser	Val	Ala	Phe
	225				230					235					240
Met	Cys	Trp	Asn	Met	Met	Lys	Val	Leu	Met	Lys	Ser	Lys	Arg	Gly	Thr
			245						250					255	
Leu	Ala	Gly	Thr	Gly	Pro	Gln	Leu	Gln	Leu	Arg	Lys	Ser	Glu	Ser	Glu
		260						265					270		
Glu	Ser	Arg	Thr	Ala	Arg	Arg	Gln	Thr	Ile	Ile	Phe	Leu	Arg	Leu	Ile
		275					280					285			
Val	Val	Thr	Leu	Ala	Val	Cys	Trp	Met	Pro	Asn	Gln	Ile	Arg	Arg	Ile
	290					295					300				
Met	Ala	Ala	Ala	Lys	Pro	Lys	His	Asp	Trp	Thr	Lys	Ser	Tyr	Phe	Lys
	305				310					315					320
Ala	Tyr	Met	Ile	Leu	Leu	Pro	Phe	Ser	Asp	Thr	Phe	Phe	Tyr	Leu	Ser
			325						330					335	
Ser	Val	Val	Asn	Pro	Leu	Leu	Tyr	Asn	Val	Ser	Ser	Gln	Gln	Phe	Arg
			340					345					350		
Lys	Val	Phe	Trp	Gln	Val	Leu	Cys	Cys	Arg	Leu	Thr	Leu	Gln	His	Ala
		355					360					365			
Asn	Gln	Glu	Lys	Gln	Gln	Arg	Ala	Tyr	Phe	Ser	Ser	Thr	Lys	Asn	Ser
	370					375					380				
Ser	Arg	Ser	Ala	Arg	Ser	Pro	Leu	Ile	Phe	Leu	Ala	Ser	Arg	Arg	Ser
	385				390					395					400
Asn	Ser	Ser	Ser	Arg	Arg	Thr	Asn	Lys	Val	Phe	Leu	Ser	Thr	Phe	Gln
			405						410					415	
Ala	Glu	Ala	Lys	Pro	Leu	Glu	Gly	Glu	His	Gln	Pro	Leu	Ser	Pro	Glu
		420					425					430			
Ser	Pro	Gln	Thr	Gly	Ser	Glu	Thr	Lys	Pro	Ala	Gly	Ser	Ala	Thr	Glu
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Asn	Ser	Leu	Gln	Glu	Gln	Glu	Val								
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<210> 9

<211> 1368

<212> DNA

<213> Rat

<400> 9

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